



Product Overview

CPH3448: Power MOSFET, 30V, 50m , 4A, Single N-Channel

For complete documentation, see the data sheet

Product Description

CPH3448 is a Power MOSFET, 30V, 50m , 4A, Single N-Channel for General-Purpose Switching MOSFET Device Application.

Features	Benefits
<ul style="list-style-type: none">1.8V drivePb-free,Halogen-free and RoHS ComplianceProtection diode inHigh speed switching and Low lossLow on resistanceLow gate charge	<ul style="list-style-type: none">Drive at low voltageEnvironmental considerationESD resistanceRealize high efficiency of applicationsImproves efficiency by reducing conduction losses Reduces heat dissipationEase of drive, faster turn-on/turn-off

Applications	End Products
<ul style="list-style-type: none">DC/DC convertor	<ul style="list-style-type: none">Digital video camera, Charger

Part Electrical Specifications

Product	Compliance	Status	Channel Polarity	Configuration	$V_{DS(sat)}$ Min (V)	V_{GS} Max (V)	$V_{GS(th)}$ Max (V)	I_D Max (A)	P_D Max (W)	$r_{DS(on)}$ Max @ $V_{GS}=2.5V$ (m)	$r_{DS(on)}$ Max @ $V_{GS}=4.5V$ (m)	$r_{DS(on)}$ Max @ $V_{GS}=10V$ (m)	Q_g Typ @ $V_{GS}=4.5V$ (nC)	Q_g Typ @ $V_{GS}=10V$ (nC)	Q_{gd} Typ @ $V_{GS}=4.5V$ (nC)	Q_{rr} Typ (nC)	C_{iss} Typ (pF)	C_{oss} Typ (pF)	C_{rss} Typ (pF)	Packaging Type
CPH3448-TL-W	Pb-free Halide free	Active	N-Channel	Single	30	12	1.3	4	1	72	50		4.7		1.1		430	59	38	CPH-3

For more information please contact your local sales support at www.onsemi.com

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